

### Introduction

#### Study lead:

- Jeff Kopp, P.E. Licensed in Illinois and Missouri
- 16+ years electric utility consulting experience
- Over 150 decommissioning estimates in multiple states, including IL
- Decommissioning estimates for various power generation technologies accepted by regulatory agencies in multiple jurisdictions

#### Burns & McDonnell qualifications:

- Fully-integrated engineering, construction, environmental, & consulting firm
- Top ranked power and T&D firm in USA
- Perform over \$1 billion in construction annually
- Provide Owner's Engineer services for decommissioning

### **Decommissioning Study Methods/Tools**

- Proprietary spreadsheet model
  - Labor
  - Equipment rental
  - Hauling
  - Disposal
  - Scrap
- Turbine component weight breakdowns from OEM data
  - Vestas V136 3.6 data from Vestas technical data sheets
- Discussions with demolition contractors
- RS Means Heavy Construction Cost Index
  - Costs are indexed to local markets to be site specific
- American Metal Market Report
  - Indexed to nearest trading hub
- Contacts with local companies
  - Landfills



## **Decommissioning Plan Overview**

- All above grade equipment and structures will be removed
- All foundations less than 5 feet below grade will be removed
- All roads, crushed rock surfacing, other improvements removed
- All equipment is valued as scrap only



# **Decommissioning Cost Results**

Di	ro	^+	Co	sts
UI	16	L	LU	ソンレン

Decommissioning & Demolition	\$8,032,000
Owner Costs	
Indirect Costs (5%)	\$401,600
Contingency (10%)	\$803,200
Credits	
Scrap	-\$6,604,000
Net Costs	\$2.632.800

